

## VALVE SYSTEM FOR CANNULA ASSEMBLY

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[57] Abstract:

PROBLEM TO BE SOLVED: To handle preferably a valve assembly even for a tool having a different diameter to be used together with a cannula assembly and a trocar assembly by including a slender seal member and a slender protective member.

SOLUTION: A valve assembly 100 to be used together with a cannula, etc., includes an endcap 102, a stabilizing plate 104, a protective mount 106, a protective holder 108, a seal element 110 and a seal housing 112 and also has a seal element 110 for assisting the cannula mounting. The seal element 110 has an inner part of a crowned conical shape as well as a circumferential flange part 132 at a proximal end and a circumferential velour structure at a distal end. The protective mount 106 has multiple protective elements movably against a circular base part having a circumferential flange 144. Each of protecting elements 140 has a finger part and an outer flap part connected with a distal end of the finger part.

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